

AMENDMENTS TO THE CLAIMS

1. (Original) A system for providing an Internet service in a non-IP based network, comprising:

a first server connected to a non-IP based network and having an application program as installed; and

a second server connected to a non-IP based network and an IP based network (the Internet) and having the application program as installed, so that a service corresponding to an Internet service request is provided to the Internet according to the Internet service request received from the Internet.

2. (Currently Amended) The system of claim 1, wherein the non-IP based network is a ~~digital network such as a~~ HAVi (Home Audio/Video interoperability).

3. (Original) The system of claim 1, wherein the Internet service is transmitted in a digital format or a Web document format.

4. (Original) The system of claim 1, wherein the Internet service is accessed from the Internet to the first and the second servers to control the first and the second servers.

5. (Currently Amended) The system of claim 1, wherein the first server comprises:

a data processing protocol layer for transmitting data to and receiving ~~a data to~~
~~and from~~ the non-IP based network; and

an application program layer for providing an Internet service.

6. (Original) The system of claim 5, wherein the data is a digital format or a message format.

7. (Original) The system of claim 5, wherein the application program layer processes a Web document.

8. (Currently Amended) The system of claim 1, wherein the second server comprises:

a data processing protocol layer for transmitting data to and receiving ~~a data to~~
~~and from~~ the non-IP based network;

a TCP/IP protocol layer for processing the data to be transmitted to and received
~~to and from~~ the non-IP based network;

an interface layer for transmitting and receiving the data processed at the
TCP/IP protocol layer to and from the non-IP based network; and

an application program layer for connecting the first server which provides an Internet service and is connected to the non-IP based network, to the IP based network.

9. (Original) The system of claim 1, wherein the second server is connected to a plurality of first servers to serve as a proxy.

10. (Original) A method for providing an Internet service in a non-IP based network, comprising:

a step in which a non-IP based network receives an Internet service request from the Internet; and

a step in which the non-IP based network provides the Internet service corresponding to the received Internet service request to the Internet.

11. (Currently Amended) The method of ~~claim 9~~claim 10, wherein in the step of receiving the Internet service request from the Internet, comprises

a step in which the second server positioned between the Internet and the non-IP based network determines whether the requested Internet service is a service to be provided by the second server~~itself~~;

a step in which when the second server determines that the requested Internet service is a service to be provided by the second server~~itself~~, the second server provides

its own service to the Internet, while, otherwise, the second server transmits an Internet service start signal to the first server connected to the non-IP based network; and
a step in which the Internet service is received from the first server.

12. (Currently Amended) A system for providing an Internet service in a non-IP based network, comprising:

a first appliance for controlling and communicating the non-IP based network with the ~~internet~~Internet; and

a second appliance which is connected with the first appliance for providing the ~~internet-Internet~~ service to ~~an~~ a third appliance connected with the ~~internet-Internet~~ via the first appliance when the ~~internet-Internet~~ service is requested by the third appliance connected to the Internet via the first appliance.

13. (Currently Amended) The system according to claim 12, wherein the first appliance functions as a proxy server for controlling and communicating between the third appliance connected with the ~~internet-Internet~~ and the second appliance.

14. (Currently Amended) The system according to claim 12, wherein the second appliance functions as a server for providing its own information.

15. (Original) The system according to claim 12, wherein the non-IP based network is capable of connecting a plurality of appliances functioned as the second appliance.

16. (Cancelled)

17. (New) The system of claim 1, wherein the first server resides in a first appliance and the second server resides in a second appliance.

18. (New) The system of claim 17, wherein the first appliance is either a digital television or a digital video cassette recorder, and the second appliance is a set-top box.

19. (New) The system of claim 1, wherein the Internet service request is received by the second server and the service is provided by one of the first server or the second server.

20. (New) The system of claim 19, wherein the second server selects one of the first server or the second server to provide the service based upon the Internet service request.

21. (New) The system of claim 20, wherein when the second server selects the first server to provide the service based upon the Internet service request, the second server sends the Internet service request to the first server.